

## FIGURE 1

**A**

mutant siRNA p9  
 5'-UGGAGACUUGCGCAAUGUGdTdT-3'  
 3'-dTdTACCUCUGAACCGGUACAC-5'

p10  
 5'-GGAGACUUGCGCAAUGUGdTdT-3'  
 3'-dTdTCCUCUGAACCGGUACACU-5'

p11  
 5'-GAGACUUGCGCAAUGUGdTdT-3'  
 3'-dTdTCCUCUGAACCGGUACACUG-5'

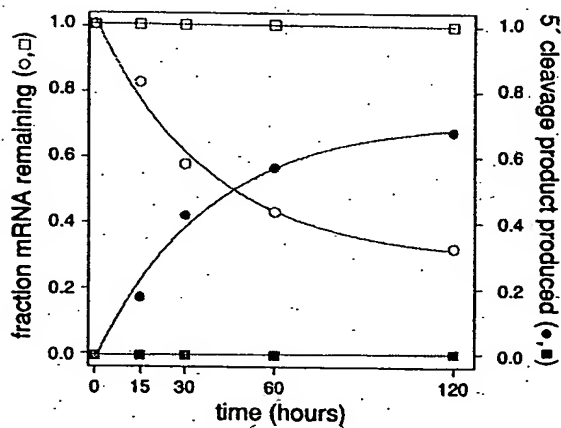
*sod1* wild type 5'-...GAGAGGCAUGUUGGAGACUUGGGCAAUGUGACUGCUGACAAAGAUGGU...-3'  
*sod1* mutant 5'-...GAGAGGCAUGUUGGAGACUUGCGCAAUGUGACUGCUGACAAAGAUGGU...-3'

wild-type siRNA p11  
 5'-GAGACUUGGGCAAUGUGAdTdT-3'  
 3'-dTdTCCUGAACCGGUACACUG-5'

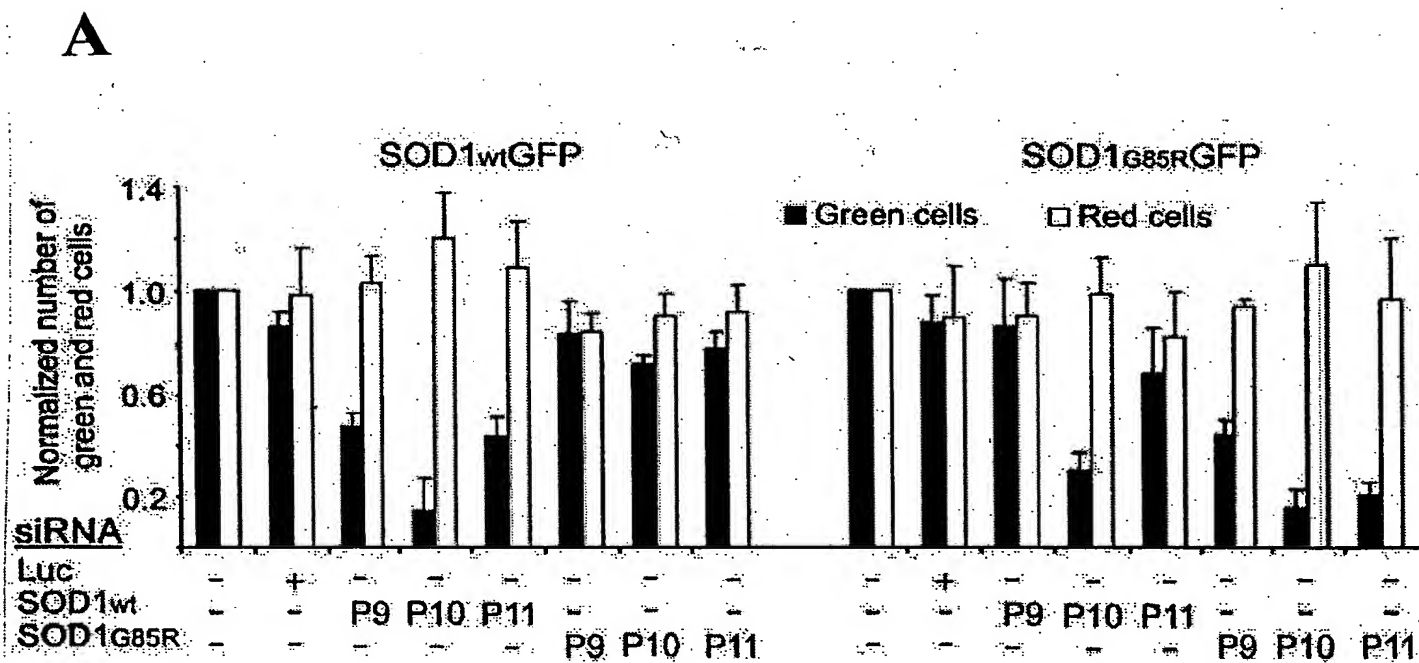
p10  
 5'-GGAGACUUGGGCAAUGUGAdTdT-3'  
 3'-dTdTCCUGAACCGGUACACU-5'

p9  
 5'-UGGAGACUUGGGCAAUGUGdTdT-3'  
 3'-dTdTACCUCUGAACCGGUACAC-5'

**B**



**FIGURE 2**

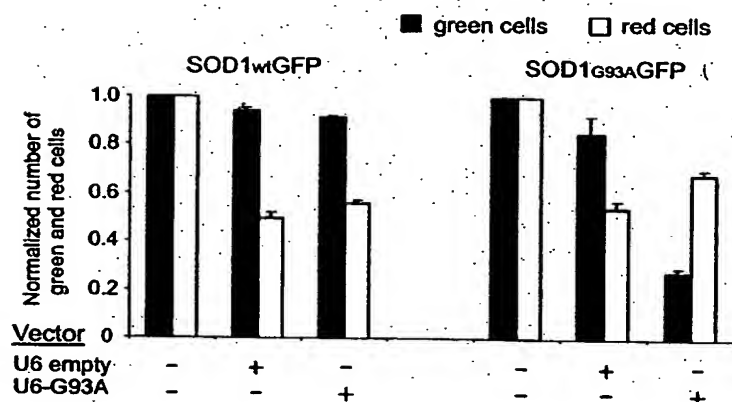


## FIGURE 3

**A**

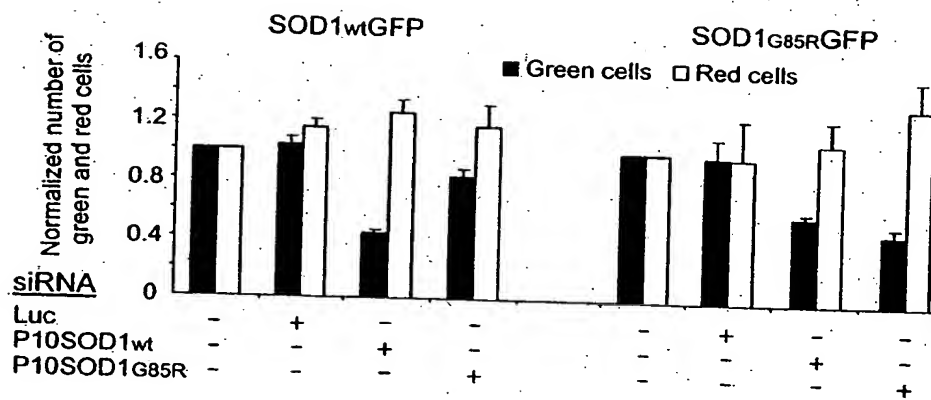
Wild type SOD1  
 5'...ACTGCTGACAAAGATGGTGTGGCCGATGTGTCTAT...-3'  
 G93A shRNA GACAAAGAUGCUGGGCCGA<sup>AA</sup>G  
 UUUUCUGUUUCUACGACACCGGCUA<sup>UUC</sup>

**B**

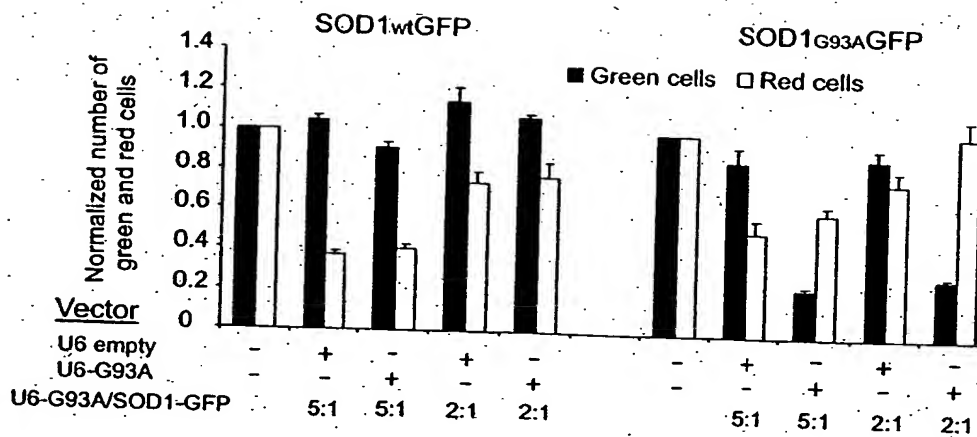


## FIGURE 4

**A**

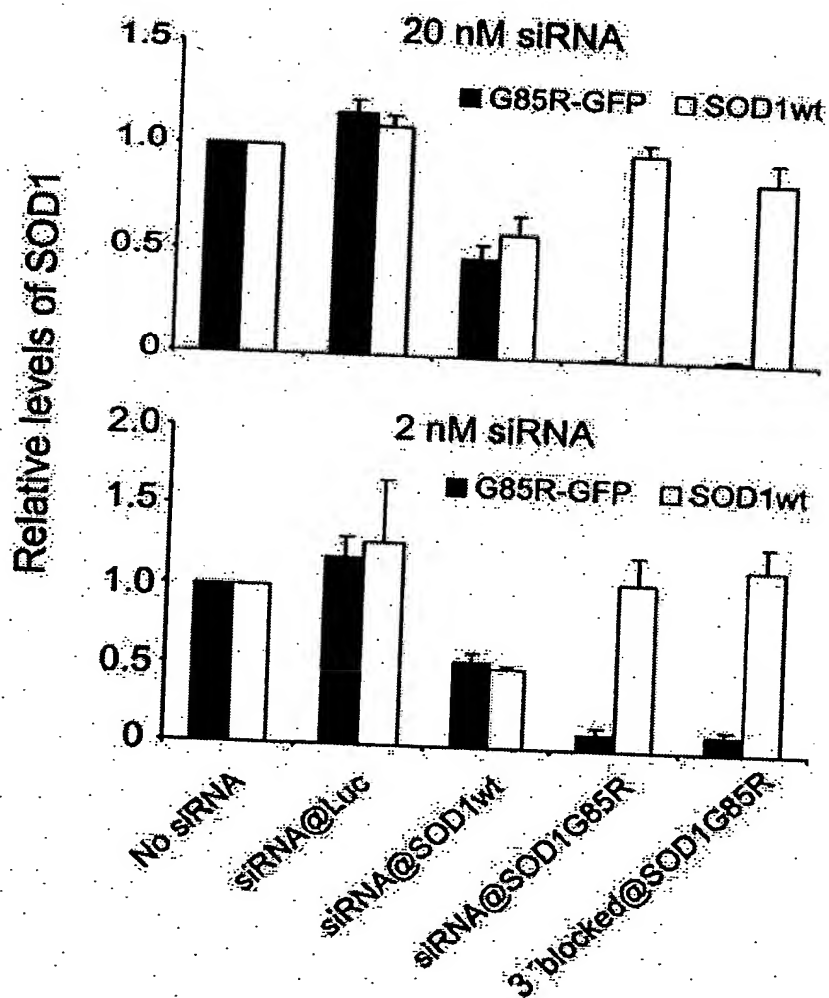


**B**



## FIGURE 5

A



## FIGURE 6

A

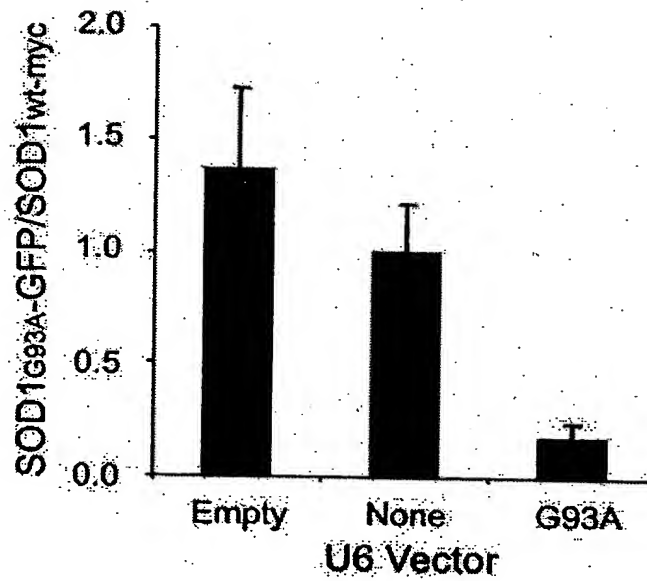


FIGURE 7

atkavcvlk gdgpvqgiin feqkesngpv kvwgsikglt eglhghfvhe fgdntagcts  
agphfnplsr khggpkdeer hvgdlgnavta dkdgvadvsi edsvislsgd hciigrtlvv  
hekaddlgkg gneestktgn agsrlacgvi giaq

FIGURE 8

gcgacgaagg ccgtgtgcgt gctgaagggc gacggcccag tgcagggcat catcaattc gagcagaagg  
aaagtaatgg accagtgaag gtgtggggaa gcattaaagg actgactgaa ggcctgcatg gattccatgt  
tcatgagttt ggagataata cagcaggctg taccagtga ggtcctcact ttaatcctct atccagaaaa  
cacggtgggc caaaggatga agagaggcat gttggagact tgggcaatgt gactgctgac aaagatggtg  
tggccgatgt gtctattgaa gattctgtga tctcactctc aggagaccat tgcattcattg gccgcacact  
ggtggtccat gaaaagcag atgacttggg caaagggtga aatgaagaaa gtacaaagac aggaaaacgct  
ggaagtcgtt tggcttgtgg tgtaattggg atcgcccaa



FIGURE 9

[illegible]